

#1 04C0
 OIPE
 1.13.87

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/654,373

DATE: 09/20/2000
 TIME: 12:11:05

Input Set : A:\ES.txt
 Output Set: N:\CRF3\09202000\I654373.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:
 5 (i) APPLICANT: SEMPLE, Sean C.
 6 Klimuk, Sandra K.
 7 Harasym, Troy O.
 8 Dos Santos, Nancy
 9 Ansell, Steven M.
 10 Cullis, Pieter R.
 11 Hope, Michael J.
 12 Scherrer, Peter
 13 McIntosh, Deidre
 14 Wong, Kim F.
 W--> 15 Maurer, Norbert
 16 (ii) TITLE OF INVENTION: Small Multilamellar Oligodeoxynucleotide-Containing
 17 Lipid
 18 Vesicles and Method of Making Same
 19 (iii) NUMBER OF SEQUENCES: 17
 20 (iv) CORRESPONDENCE ADDRESS:
 21 (A) ADDRESSEE: Oppedahl & Larson LLP
 22 (B) STREET: PO Box 5068
 23 (C) CITY: Dillon
 24 (D) STATE: CO
 25 (E) COUNTRY: USA
 26 (F) ZIP: 80435-5068
 27 (v) COMPUTER READABLE FORM:
 28 (A) MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb
 29 (B) COMPUTER: IBM Compatible
 30 (C) OPERATING SYSTEM: DOS 5.0
 31 (D) SOFTWARE: Word Perfect
 32 C--> 33 (vi) CURRENT APPLICATION DATA:
 C--> 34 (A) APPLICATION NUMBER: US/09/654,373
 C--> 35 (B) FILING DATE: 01-Sep-2000
 36 (C) CLASSIFICATION:
 37 (vii) PRIOR APPLICATION DATA:
 C--> 38 (A) APPLICATION NUMBER: 60/152,179
 C--> 39 (B) FILING DATE: SEPTEMBER 2, 1999
 C--> 40 (A) APPLICATION NUMBER: 09/078,954
 C--> 41 (B) FILING DATE: MAY 14, 1998
 C--> 42 (A) APPLICATION NUMBER: 08/856,374
 C--> 43 (B) FILING DATE: MAY 14, 1997
 C--> 44 (viii) ATTORNEY/AGENT INFORMATION:
 45 (A) NAME: Marina T. Larson
 46 (B) REGISTRATION NUMBER: 32,038
 47 (C) REFERENCE/DOCKET NUMBER: INEX.P-007
 48 (ix) TELECOMMUNICATION INFORMATION:
 49 (A) TELEPHONE: (970) 468-6600
 50 (B) TELEFAX: (970) 468-0104

ENTERED

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51      (C) TELEX:
53 (2) INFORMATION FOR SEQ ID NO: 1:
54   (i) SEQUENCE CHARACTERISTICS:
55       (A) LENGTH: 20
56       (B) TYPE: nucleic acid
57       (C) STRANDEDNESS: single
58       (D) TOPOLOGY: linear
59   (ii) MOLECULE TYPE: other nucleic acid
60   (iii) HYPOTHETICAL: no
61   (iv) ANTI-SENSE: yes
62   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
63 TGCATCCCC AGGCCACCAT      20
65 (2) INFORMATION FOR SEQ ID NO: 2:
66   (i) SEQUENCE CHARACTERISTICS:
67       (A) LENGTH: 20
68       (B) TYPE: nucleic acid
69       (C) STRANDEDNESS: single
70       (D) TOPOLOGY: linear
71   (ii) MOLECULE TYPE: other nucleic acid
72   (iii) HYPOTHETICAL: no
73   (iv) ANTI-SENSE: yes
74   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
75 GCCCAAGCTG GCATCCGTCA      20
78 (2) INFORMATION FOR SEQ ID NO: 3:
79   (i) SEQUENCE CHARACTERISTICS:
80       (A) LENGTH: 15
81       (B) TYPE: nucleic acid
82       (C) STRANDEDNESS: single
83       (D) TOPOLOGY: linear
84   (ii) MOLECULE TYPE: other nucleic acid
85   (iii) HYPOTHETICAL: no
86   (iv) ANTI-SENSE: yes
87   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
88 GGTGCTCACT GCGGC      15
90 (2) INFORMATION FOR SEQ ID NO: 4:
91   (i) SEQUENCE CHARACTERISTICS:
92       (A) LENGTH: 15
93       (B) TYPE: nucleic acid
94       (C) STRANDEDNESS: single
95       (D) TOPOLOGY: linear
96   (ii) MOLECULE TYPE: other nucleic acid
97   (iii) HYPOTHETICAL: no
98   (iv) ANTI-SENSE: yes
99   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
100 AACGTTGAGG GGCAT      15
102 (2) INFORMATION FOR SEQ ID NO: 5:
103   (i) SEQUENCE CHARACTERISTICS:
104       (A) LENGTH: 16
105       (B) TYPE: nucleic acid

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106          (C) STRANDEDNESS: single
107          (D) TOPOLOGY: linear
108      (ii) MOLECULE TYPE: other nucleic acid
109      (iii) HYPOTHETICAL: no
110      (iv) ANTI-SENSE: yes
111      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
112 TAACGTTGAG GGGCAT      16
115 (2) INFORMATION FOR SEQ ID NO: 6:
116      (i) SEQUENCE CHARACTERISTICS:
117          (A) LENGTH: 24
118          (B) TYPE: nucleic acid
119          (C) STRANDEDNESS: single
120          (D) TOPOLOGY: linear
121      (ii) MOLECULE TYPE: other nucleic acid
122      (iii) HYPOTHETICAL: no
123      (iv) ANTI-SENSE: yes
124      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
125 TATGCTGTGC CGGGGTCTTC GGGC      24
128 (2) INFORMATION FOR SEQ ID NO: 7:
129      (i) SEQUENCE CHARACTERISTICS:
130          (A) LENGTH: 18
131          (B) TYPE: nucleic acid
132          (C) STRANDEDNESS: single
133          (D) TOPOLOGY: linear
134      (ii) MOLECULE TYPE: other nucleic acid
135      (iii) HYPOTHETICAL: no
136      (iv) ANTI-SENSE: yes
137      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
138 GTGCCGGGGT CTTCGGGC      18
141 (2) INFORMATION FOR SEQ ID NO: 8:
142      (i) SEQUENCE CHARACTERISTICS:
143          (A) LENGTH: 18
144          (B) TYPE: nucleic acid
145          (C) STRANDEDNESS: single
146          (D) TOPOLOGY: linear
147      (ii) MOLECULE TYPE: other nucleic acid
148      (iii) HYPOTHETICAL: no
149      (iv) ANTI-SENSE: yes
150      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
151 GGACCCTCCT CCGGAGCC      18
153 (2) INFORMATION FOR SEQ ID NO: 9:
154      (i) SEQUENCE CHARACTERISTICS:
155          (A) LENGTH: 18
156          (B) TYPE: nucleic acid
157          (C) STRANDEDNESS: single
158          (D) TOPOLOGY: linear
159      (ii) MOLECULE TYPE: other nucleic acid
160      (iii) HYPOTHETICAL: no
161      (iv) ANTI-SENSE: yes

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/654,373

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Input Set : A:\ES.txt
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162 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
163 TCCTCCGGAG CCAGACTT 18
166 (2) INFORMATION FOR SEQ ID NO: 10:
167 (i) SEQUENCE CHARACTERISTICS:
168 (A) LENGTH: 15
169 (B) TYPE: nucleic acid
170 (C) STRANDEDNESS: single
171 (D) TOPOLOGY: linear
172 (ii) MOLECULE TYPE: other nucleic acid
173 (iii) HYPOTHETICAL: no
174 (iv) ANTI-SENSE: yes
175 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
176 CCGTGGTCAT GCTCC 15
178 (2) INFORMATION FOR SEQ ID NO: 11:
179 (i) SEQUENCE CHARACTERISTICS:
180 (A) LENGTH: 21
181 (B) TYPE: nucleic acid
182 (C) STRANDEDNESS: single
183 (D) TOPOLOGY: linear
184 (ii) MOLECULE TYPE: other nucleic acid
185 (iii) HYPOTHETICAL: no
186 (iv) ANTI-SENSE: yes
187 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
188 CAGCCTGGCT CACCGCCTTG G 21
190 (2) INFORMATION FOR SEQ ID NO: 12:
191 (i) SEQUENCE CHARACTERISTICS:
192 (A) LENGTH: 20
193 (B) TYPE: nucleic acid
194 (C) STRANDEDNESS: single
195 (D) TOPOLOGY: linear
196 (ii) MOLECULE TYPE: other nucleic acid
197 (iii) HYPOTHETICAL: no
198 (iv) ANTI-SENSE: yes
199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
200 CAGCCATGGT TCCCCCAAC 20
202 (2) INFORMATION FOR SEQ ID NO: 13:
203 (i) SEQUENCE CHARACTERISTICS:
204 (A) LENGTH: 20
205 (B) TYPE: nucleic acid
206 (C) STRANDEDNESS: single
207 (D) TOPOLOGY: linear
208 (ii) MOLECULE TYPE: other nucleic acid
209 (iii) HYPOTHETICAL: no
210 (iv) ANTI-SENSE: yes
211 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
212 GTTCTCGCTG GTGAGTTTCA 20
215 (2) INFORMATION FOR SEQ ID NO: 14:
216 (i) SEQUENCE CHARACTERISTICS:
217 (A) LENGTH: 18
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RAW SEQUENCE LISTING

DATE: 09/20/2000

PATENT APPLICATION: US/09/654,373

TIME: 12:11:05

Input Set : A:\ES.txt

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218      (B) TYPE: nucleic acid
219      (C) STRANDEDNESS: single
220      (D) TOPOLOGY: linear
221      (ii) MOLECULE TYPE: other nucleic acid
222      (iii) HYPOTHETICAL: no
223      (iv) ANTI-SENSE: yes
224      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
225 TCTCCCAGCG TCGCCAT      18
228 (2) INFORMATION FOR SEQ ID NO: 15:
229      (i) SEQUENCE CHARACTERISTICS:
230          (A) LENGTH: 15
231          (B) TYPE: nucleic acid
232          (C) STRANDEDNESS: single
233          (D) TOPOLOGY: linear
234      (ii) MOLECULE TYPE: other nucleic acid
235      (iii) HYPOTHETICAL: no
236      (iv) ANTI-SENSE: yes
237      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
238 GTGCTCCATT GATGC      15
240 (2) INFORMATION FOR SEQ ID NO: 16:
241      (i) SEQUENCE CHARACTERISTICS:
242          (A) LENGTH: 34
243          (B) TYPE: nucleic acid
244          (C) STRANDEDNESS: single
245          (D) TOPOLOGY: linear
246      (ii) MOLECULE TYPE: other nucleic acid
247      (iii) HYPOTHETICAL: no
248      (iv) ANTI-SENSE: yes
249      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
250 GAGUUGCUGA UGAGGCCGAA AGGCCGAAAG UCUG      34
252 (2) INFORMATION FOR SEQ ID NO: 17:
253      (i) SEQUENCE CHARACTERISTICS:
254          (A) LENGTH: 15
255          (B) TYPE: nucleic acid
256          (C) STRANDEDNESS: single
257          (D) TOPOLOGY: linear
258      (ii) MOLECULE TYPE: other nucleic acid
259      (iii) HYPOTHETICAL: no
260      (iv) ANTI-SENSE: yes
261      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
262 GAACGGAGAC GGTTC      15

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VERIFICATION SUMMARY DATE: 09/20/2000
PATENT APPLICATION: US/09/654,373 TIME: 12:11:06

Input Set : A:\ES.txt
Output Set: N:\CRF3\09202000\I654373.raw

L:33 M:220 C: Keyword misspelled or invalid format, [(vi) CURRENT APPLICATION DATA:]
L:33 M:220 C: Keyword misspelled or invalid format, [(vi) CURRENT APPLICATION DATA:]
L:34 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:35 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:40 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:41 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:42 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:43 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:44 M:220 C: Keyword misspelled or invalid format, [(viii) ATTORNEY/AGENT INFORMATION:]
L:15 M:259 W: Field exceeds allowed number of lines, (i) APPLICANT:
L:40 M:220 C: Keyword misspelled or invalid format, (A) APPLICATION NUMBER:
L:41 M:220 C: Keyword misspelled or invalid format, (B) FILING DATE:
L:42 M:220 C: Keyword misspelled or invalid format, (A) APPLICATION NUMBER:
L:43 M:220 C: Keyword misspelled or invalid format, (B) FILING DATE: